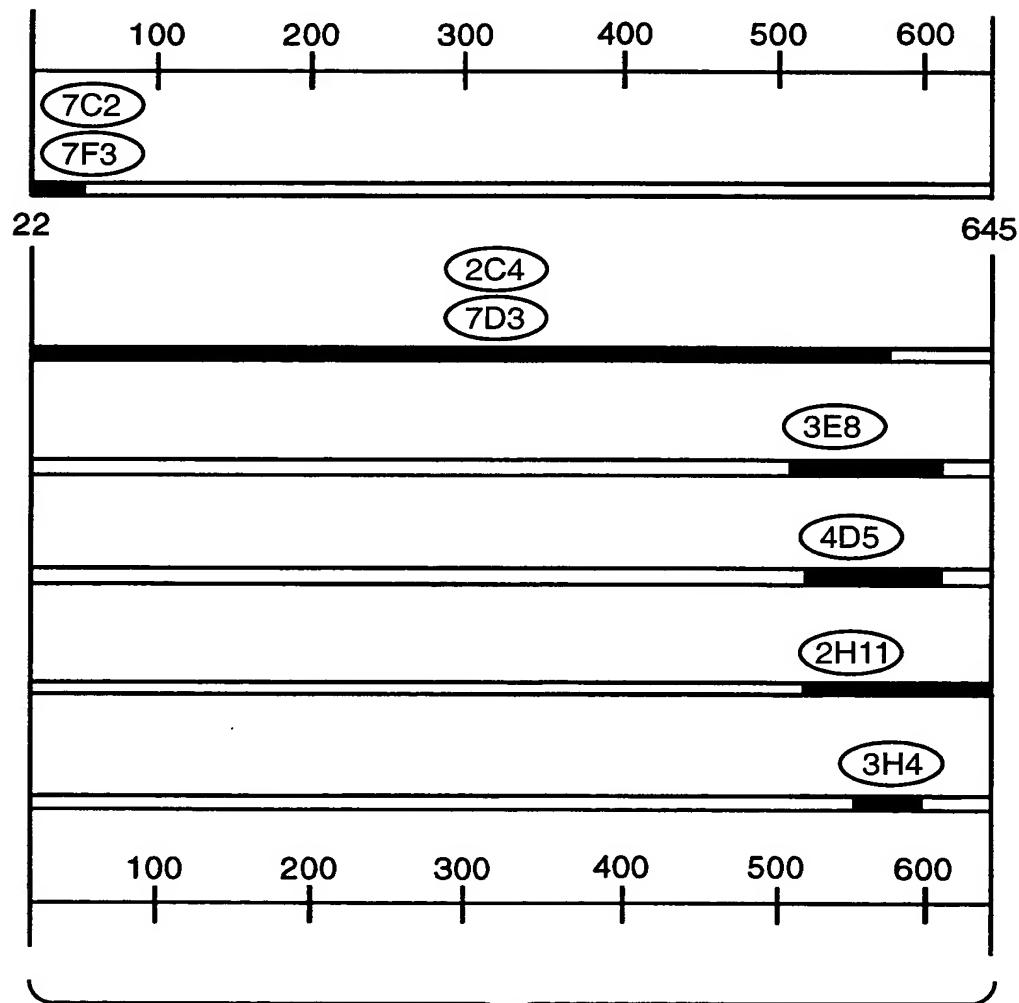


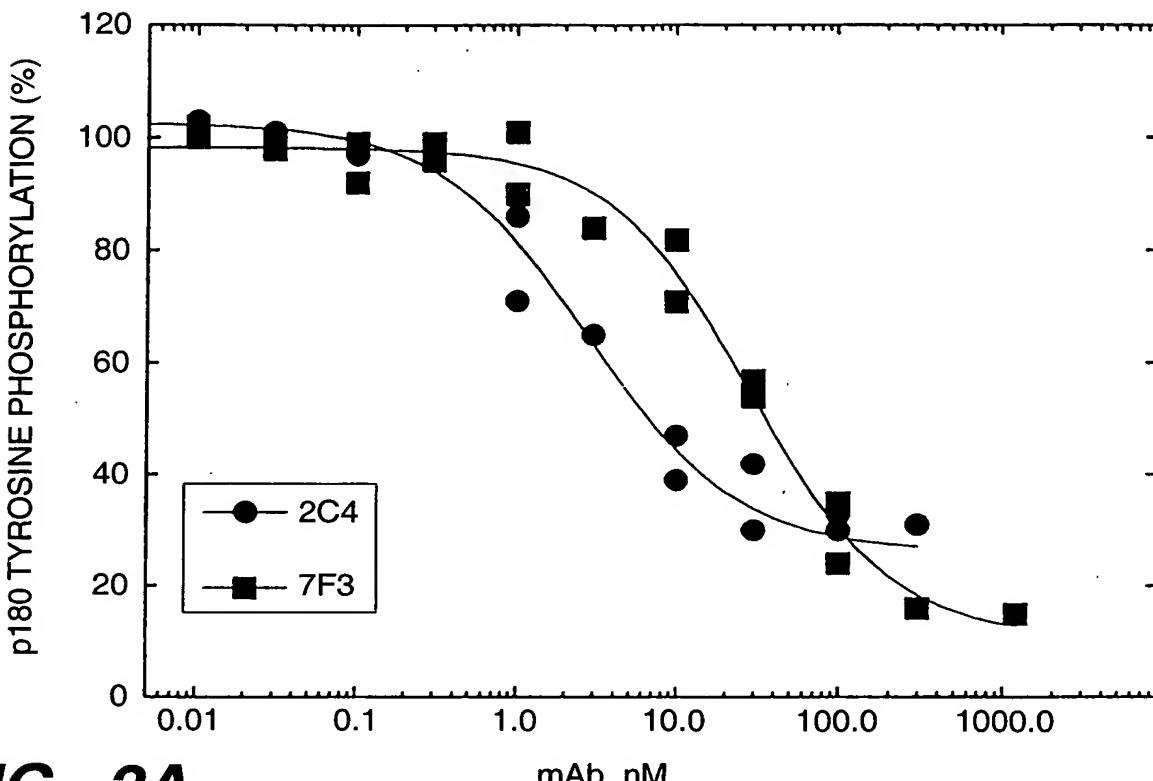
1 MELAALCRWG LLLALLPPGA ASTQVCTGTD MKLRLPASPE THLDMLRHLY QGCQVVGQNL ELYLPTMAS LSFLQDIQEV QGVVLIANHQ VRQVPLQRLR  
101 IVRGQTQLFED NYALAVLDNG DPLMNTTPVT GASFGLREL QLRSLTEILK GGVLIQRNPQ LCYQDTILWK DIFHKNQLA LTLIDTMRSR ACHPCSPMCK  
201 GSRCTWGESSE DCQSLTRTVC AGGCARCKGP LPTDCCHEQC AAGCTGPKHS DCLACLHFNH SGICELHCPA LTTTNTDTFE SMPNPEGRT FGASSCVTACP  
301 YNVLSTDVGs CTIWCPLHNG EVAEDGTR CEKOSKPCAR VCYGLGMELH REVRAVTSAN IQEFAGCKKI FGSLAFLPES FDGDPASNTA PLQPEQLQVF  
401 ETLEETTGYL YISAWPDSLW DLSVFQNLQV IRGRIIHNGA YSLTLOGLGI SWLGLRSLRG LGSGGLALIH NTHLCFVHTV PWDOLFRNPH QALLHTANRP  
501 EDECVGEGLA CHQLCARGHC WGPGPPTQCVN CSQFLRGQEC VEECRVILQGL PREYVNARHC LPCHPECQPQ NGSTTCFGPE ADQCVACAHY KDPPFCVARC  
601 PSGVVKPDLSY MPIWKFDPDEE GACQPCPINC THSCVDLDDK GCPAE (SEQ ID NO: 13)

**FIG.- 1A**

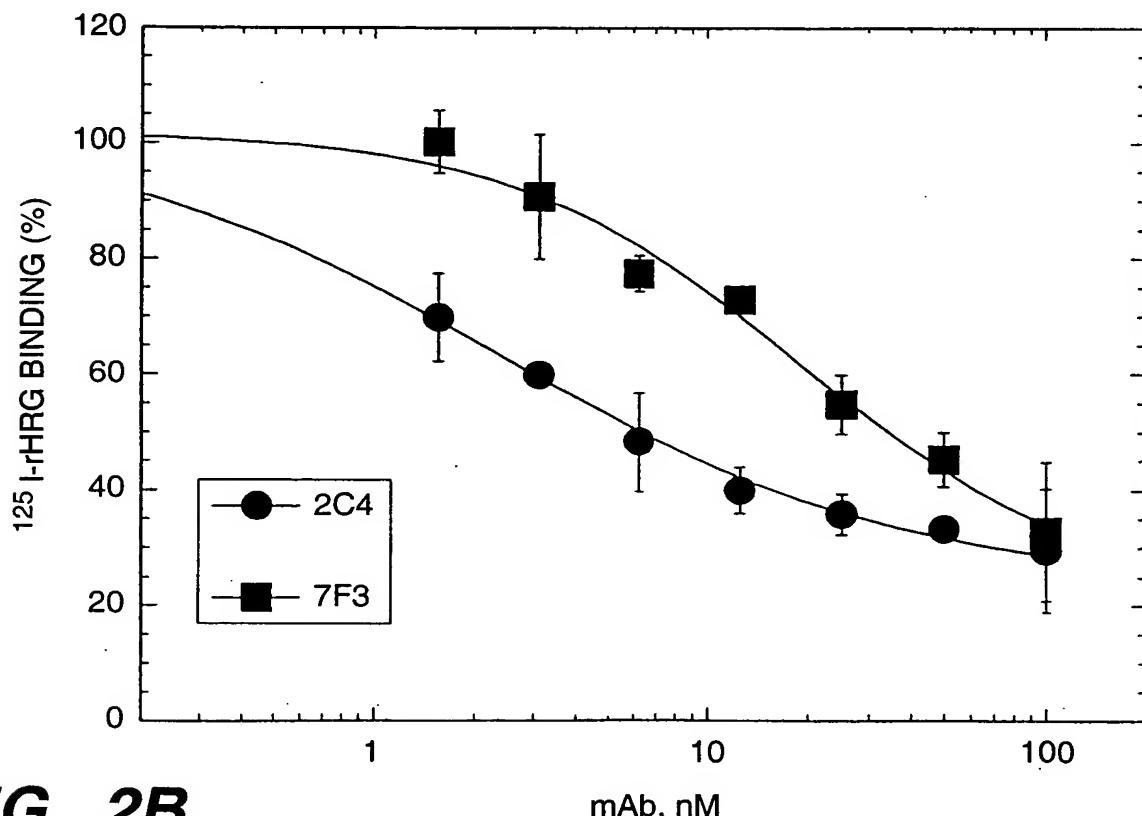
7C2 aa 22-53 (31 RESIDUES)  
7F3 aa 22-53 (31 RESIDUES)  
2C4 aa 22-584 (562 RESIDUES)  
7D3 aa 22-584 (562 RESIDUES)  
3E8 aa 512-625 (113 RESIDUES)  
4D5 aa 529-625 (96 RESIDUES)  
2H11 aa 529-645 (116 RESIDUES)  
3H4 aa 541-599 (58 RESIDUES)



**FIG.\_1B**



**FIG.\_2A**



**FIG.\_2B**

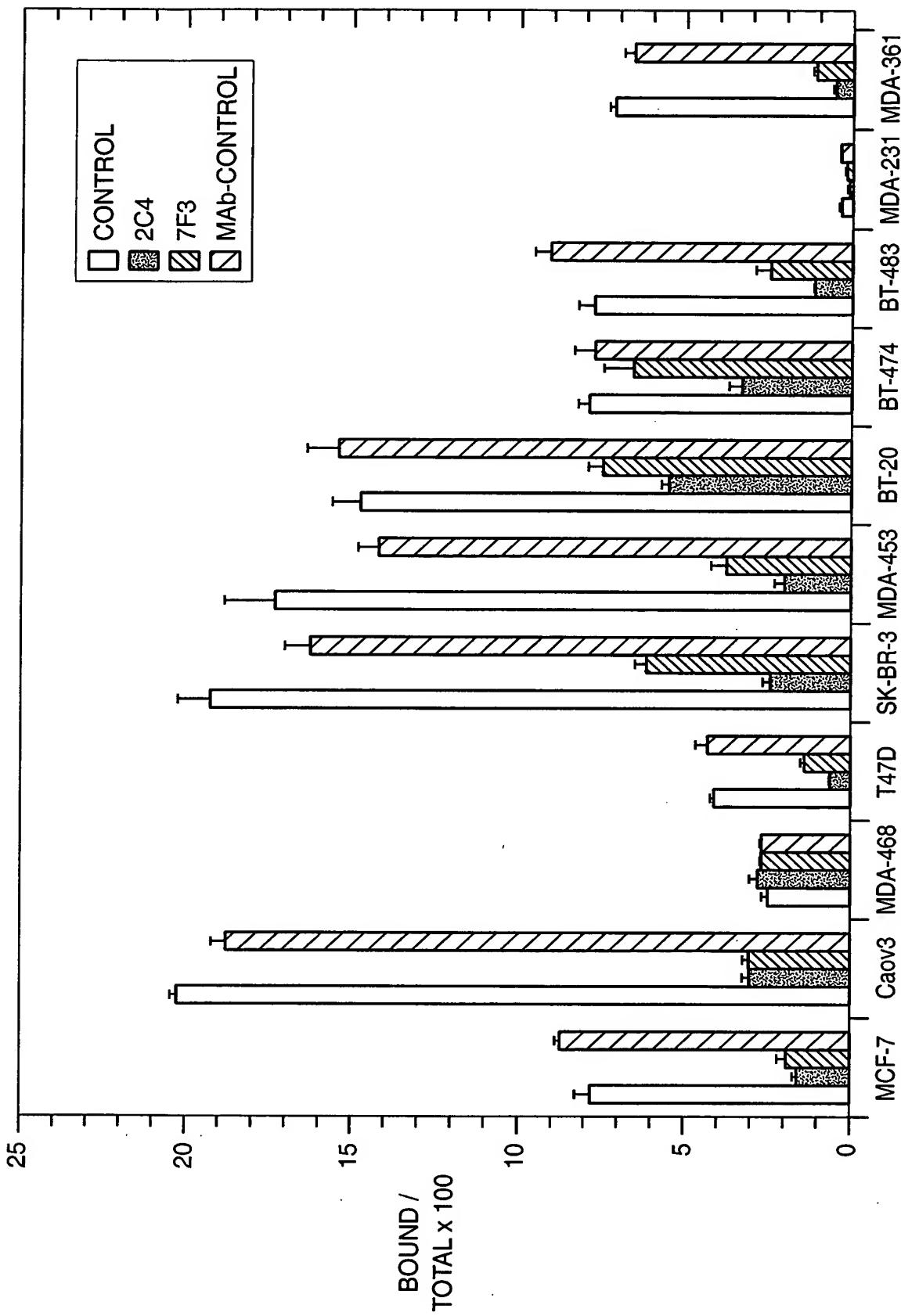
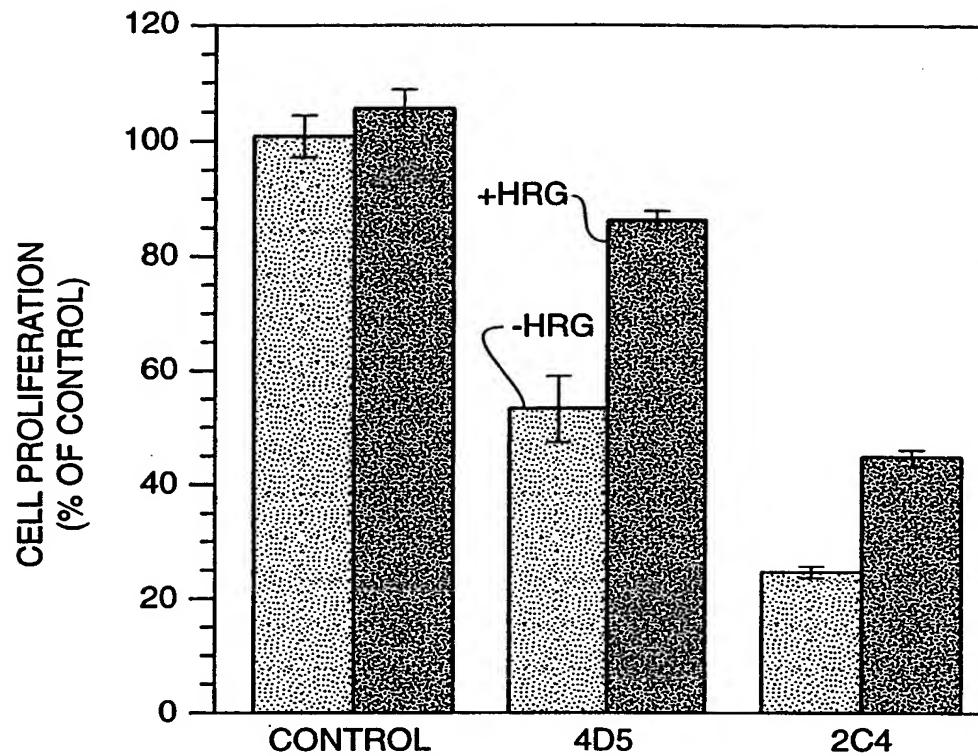
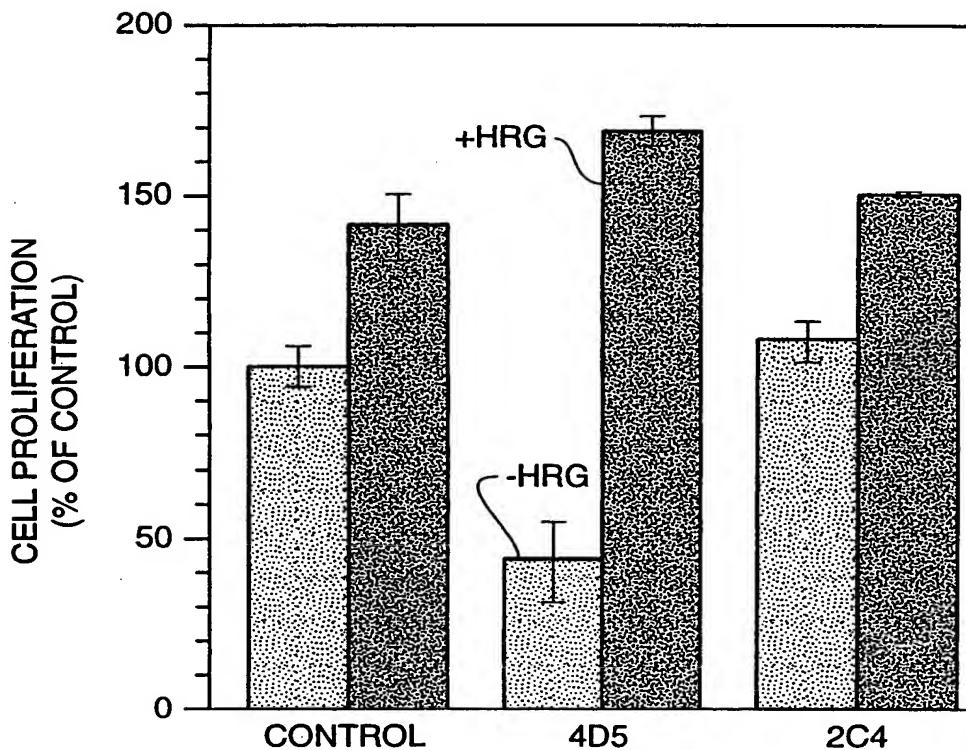


FIG. 3

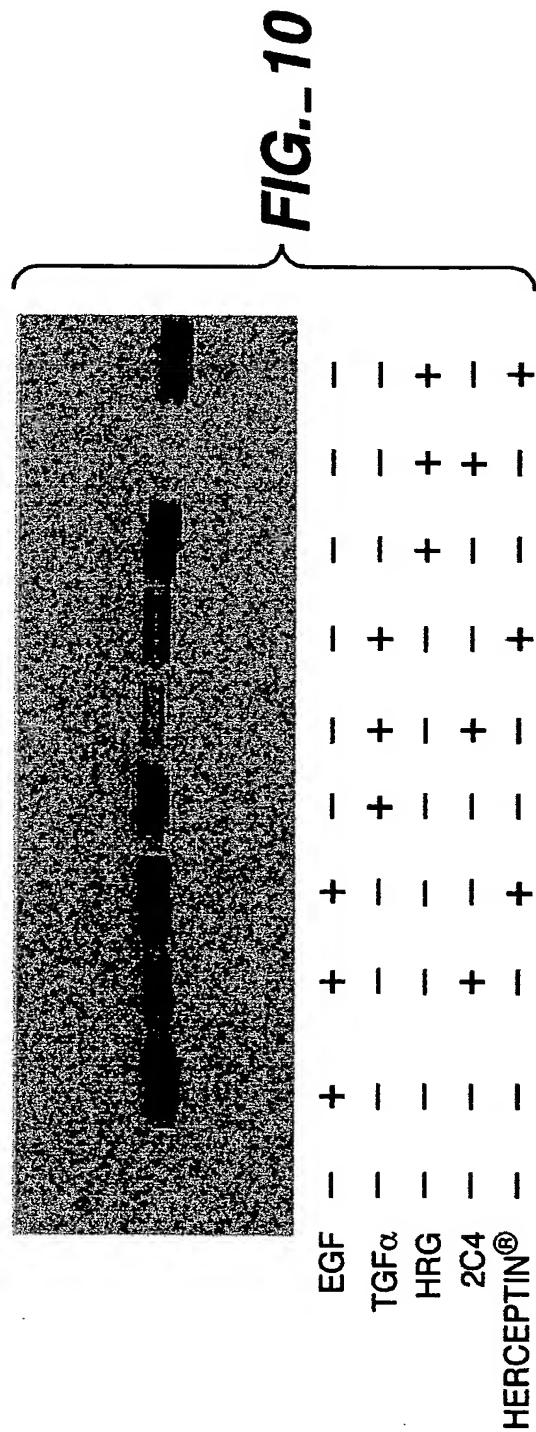
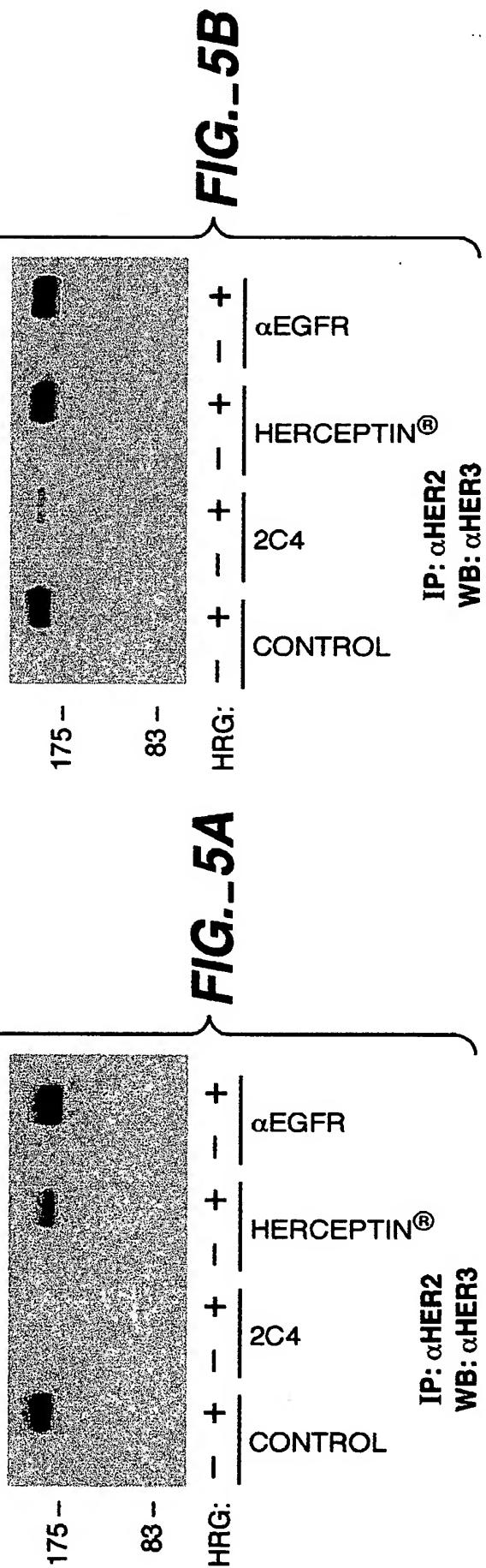


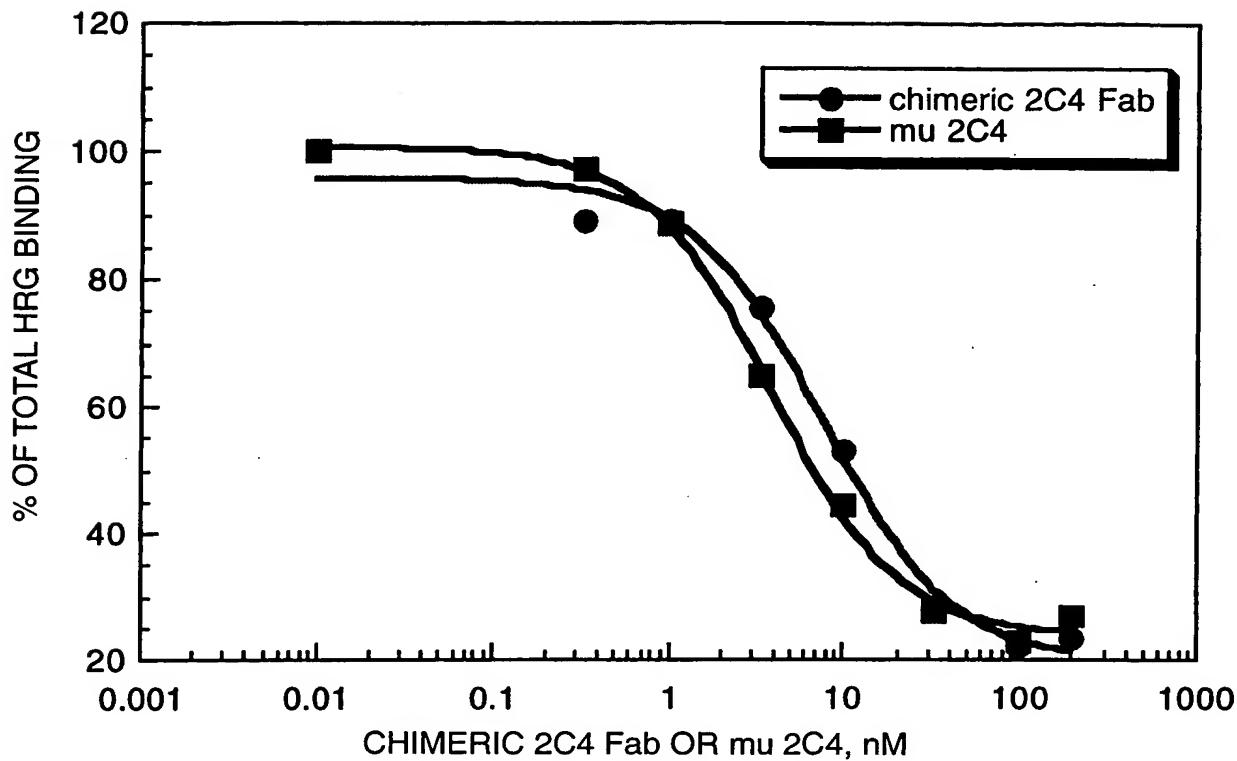
**FIG.\_4A**



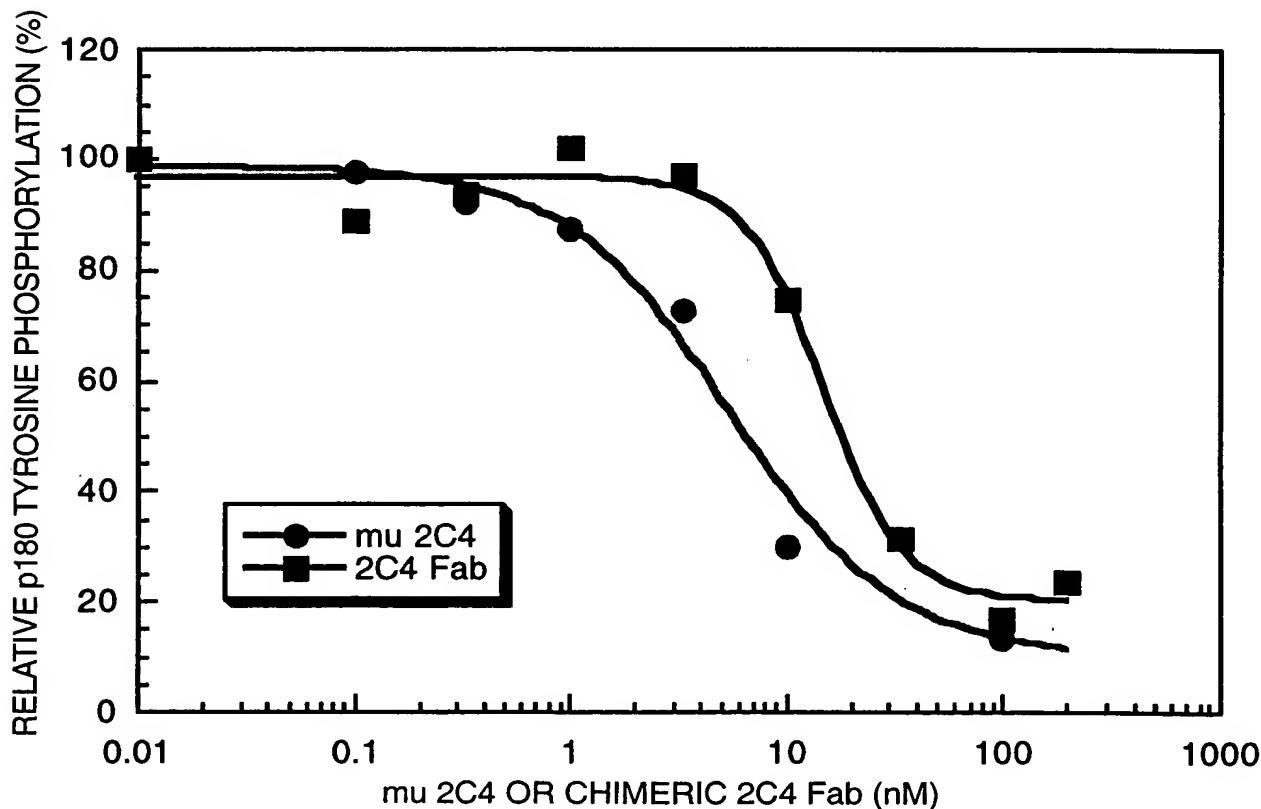
**FIG.\_4B**

SK-BR-3  
HIGH HER2  
MCF7  
LOW / NORMAL HER2





**FIG.\_6A**



**FIG.\_6B**

VARIABLE LIGHT

	10	20	30	40
2C4	DTVMTQSHKIMSTSVGDRVSITC	[KASQDV SIGVA]	WYQQRP	*
	** * * * *	*		

574	DIQMTQSPSSLSASVGDRV TITC	[KASQDV SIGVA]	WYQQKP	
		*	** * *	

hum κI	DIQMTQSPSSLSASVGDRV TITC	[RASQSI SNYLA]	WYQQKP	
--------	--------------------------	----------------	--------	--

	50	60	70	80
2C4	GQSPKLLIY [SASYRYT]	GVPDRFTGSGSGTDFTFTI SSVQA		
	**	*	*	*

574	GKAPKLLIY [SASYRYT]	GVPSRFSGSGSGTDFTLT ISSLQP		
	*	*****		

hum κI	GKAPKLLIY [AASSLES]	GVPSRFSGSGSGTDFTLT ISSLQP		
--------	---------------------	---------------------------	--	--

	90	100		
2C4	EDLAVYYC [QQYYIYPYT]	FGGGTKLEIK (SEQ ID NO:1)		
	*	*		

574	EDFATYYC [QQYYIYPYT]	FGQGTKVEIK (SEQ ID NO:3)		
	*** *			

hum κI	EDFATYYC [QQYN SL PWT]	FGQGTKVEIK (SEQ ID NO:5)		
--------	------------------------	--------------------------	--	--

**FIG.\_7A**

VARIABLE HEAVY

	10	20	30	40
2C4	EVQLQQSGPELVKPGTSVKISCKAS	[GFTFTDYTMD]	WVKQS	*
	** * * * * *** *			*

574	EVQLVESGGGLVQPGGSLRLSCAAS	[GFTFTDYTMD]	WVRQA	
		*** * *		

hum III	EVQLVESGGGLVQPGGSLRLSCAAS	[GFTFSSYAMS]	WVRQA	
---------	---------------------------	--------------	-------	--

	50	a	60	70	80
2C4	HGKSLEWIG [DVNPNSGGSIYNQRFKG]	KASLTVDRSSRIVYM			
	*	*	*** *	***** *	

574	PGKGLEWVA [DVNPNSGGSIYNQRFKG]	RFTLSVDRSKNTLYL			
	*****	*** ****	*	*	

hum III	PGKGLEWVA [VISGDGGSTYYADSVKG]	RFTISRDNSKNTLYL			
---------	-------------------------------	-----------------	--	--	--

	abc	90	100ab	110
2C4	ELRSLTFEDTAVYYCAR	[NLGPSFYFDY]	WGQGTTLTVSS	(SEQ ID NO:2)
	*** *		**	

574	QMNSLRAEDTAVYYCAR	[NLGPSFYFDY]	WGQGTLTVSS	(SEQ ID NO:4)
		*****		

hum III	QMNSLRAEDTAVYYCAR	[GRVGSLYDY]	WGQGTLTVSS	(SEQ ID NO:6)
---------	-------------------	-------------	------------	---------------

**FIG.\_7B**

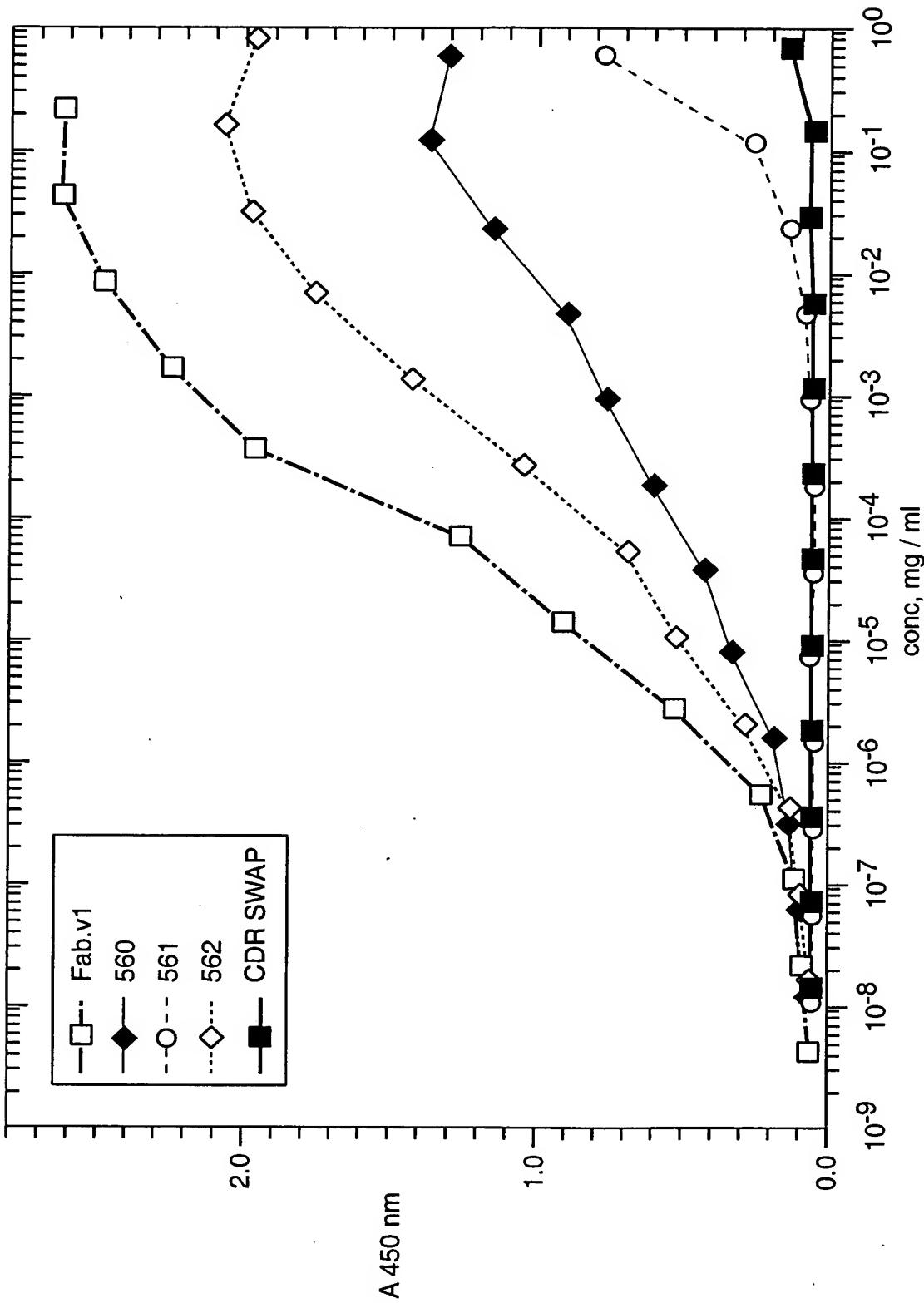


FIG. 8A

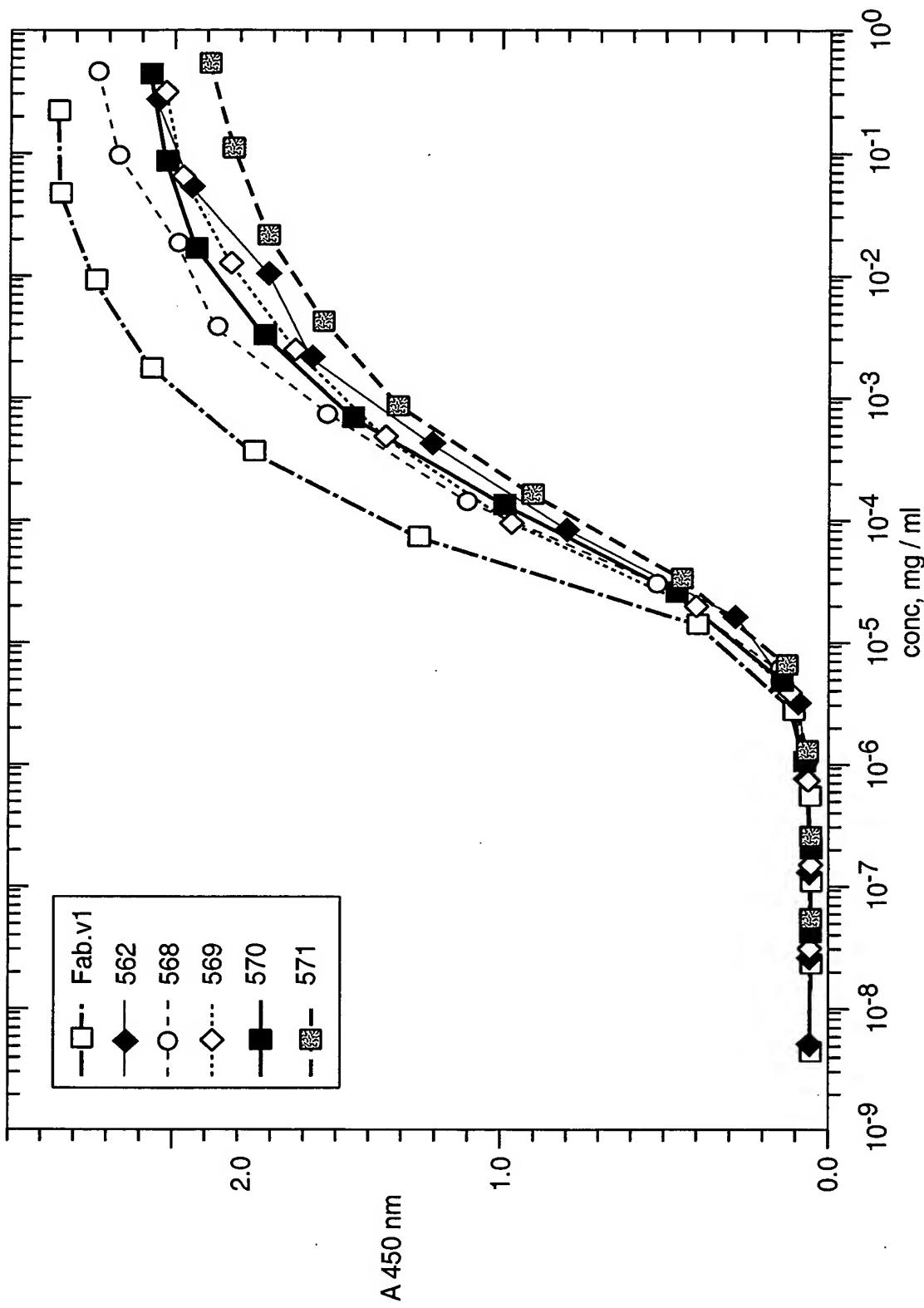


FIG.\_8B

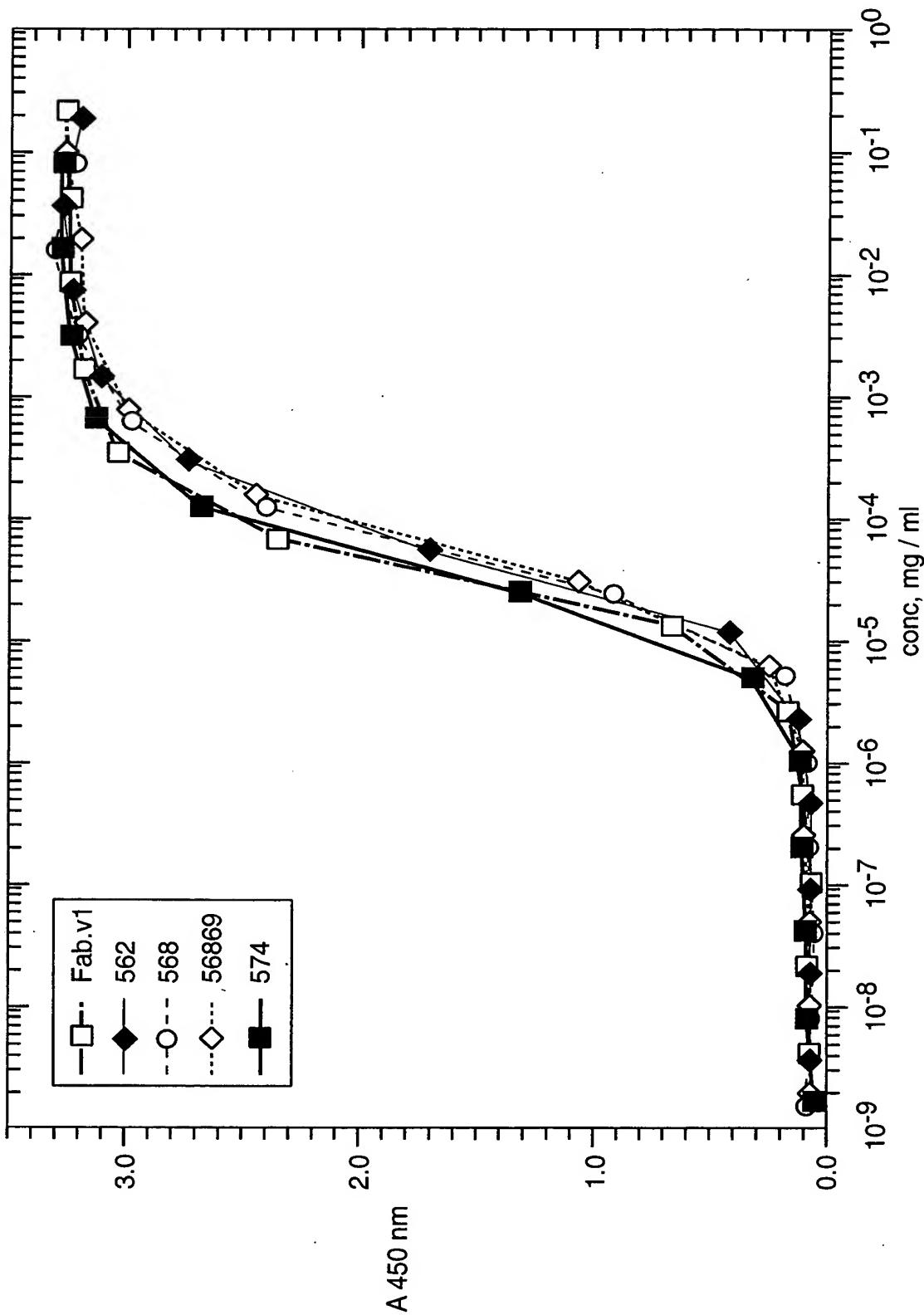


FIG.\_8C

+

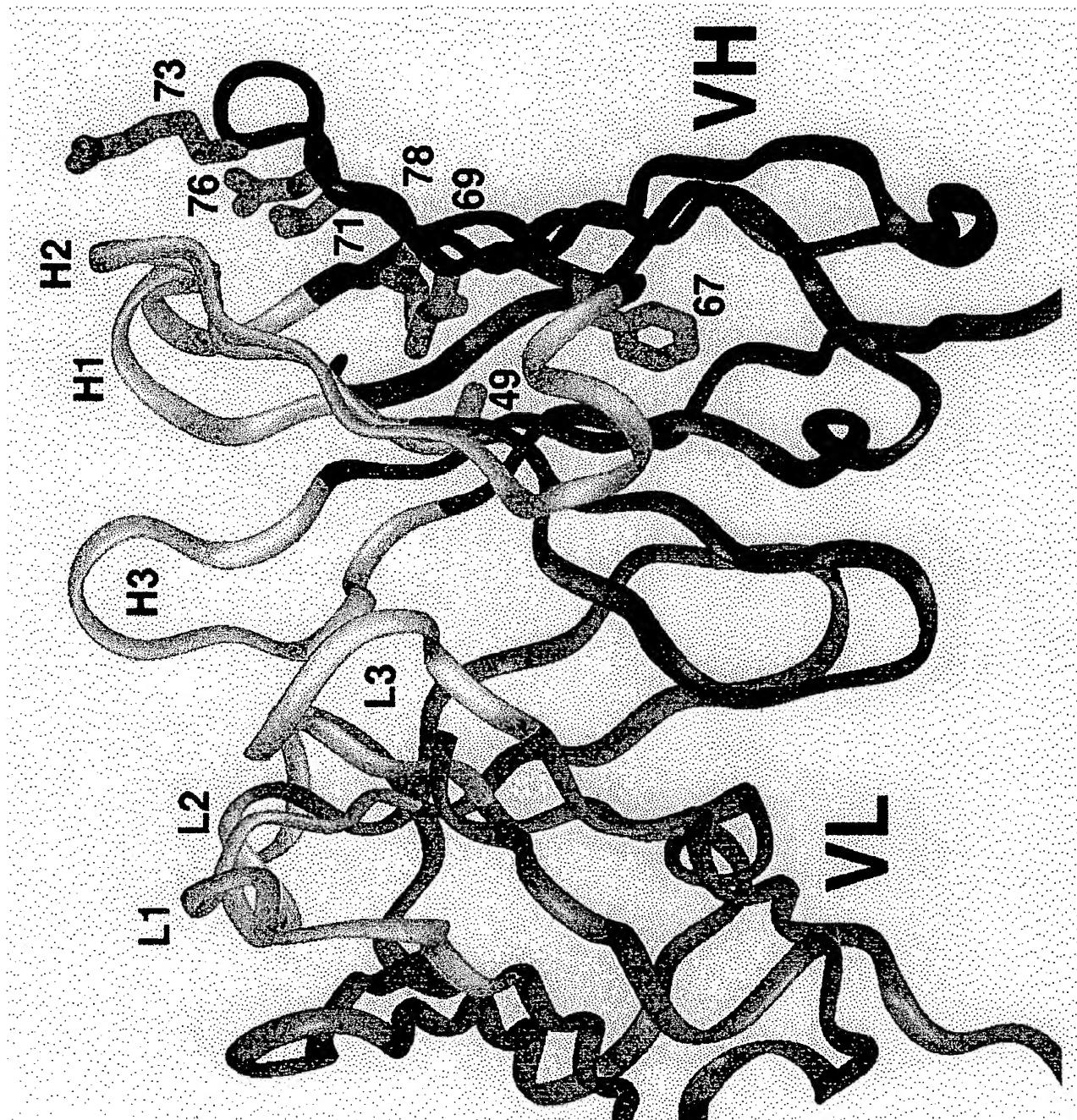


FIG. 9